

Docket No. 278727US2PCT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Toshihisa TOMIIE

SERIAL NO: 10/550,413

FILED: September 23, 2005

FOR: METHOD AND APPARATUS FOR GENERATING LASER PRODUCED PLASMA

GAU:

EXAMINER:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, MCCLELLAND,
MAIER & NEUSTADT, P.C.


Marvin J. Spivak

Registration No. 24,913

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 278727US2PCT		SERIAL NO. 10/550,413	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Toshihisa TOMIE			
				FILING DATE September 23, 2005		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AE						
	AC						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
/M.S./	AO	2000-215998	08/04/00	JP (with English abstract & Computer generated translation)		NO	
↓	AP	2000-91095	03/31/00	JP (with English abstract & Computer generated translation)		NO	
↓	AQ	11-250842	09/17/99	JP (with English abstract & Computer generated translation)		NO	
	AR						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
/M.S./	AS	SUGAR, Jack: "Potential-Barrier Effects in Photoabsorption. II. Interpretation of Photoabsorption Resonances in Lanthanide Metals at the 4d-Electron Threshold", Physical Review B, Vol. 5, No. 5, Pages 1785-1792, 1972					
↓	AT	O'SULLIVAN, G. et al: "4d-4f emission resonances in laser-produced plasmas", Journal of Optical Society of America, Vol. 71, No. 3, Pages 227 - 230, 1981.					
↓	AU	BENDER, H.A. et al.: "Velocity characterization of particulate debris from laser-produced plasmas used for extreme-ultraviolet lithography", Applied Optics, Vol. 34, No. 28, Pages 6513 - 6521, 1995.					
↓	AV	"Theoretical consideration on power limit of EUV source", National Institute of Advanced Industrial Science and Technology, AI/ST01-A00007, Ver. 1.1. Pages 1 - 30, 2002. (with partial English translation)					
↓	AW	SCHWENN, U. et al.: "A Continuous droplet source for plasma production with pulse laser", Journal of Physics E: Scientific Instruments, Vol. 7, Page 715 - 718, 1974.					
↓	AX	RYMELL, L. et al.: "Droplet target for low-debris laser-plasma soft X-ray generation", Optics Communications, Vol. 103, No. 1 - 2, Pages 105 - 110, 1993.					
↓	AY	EICKMANS, Johannes H. et al.: "Plasma spectroscopy H, Li, and Na in plumes resulting from laser-induced droplet explosion", Applied Optics, Vol. 26, No. 17, Pages 3721 - 3725, 1987					
↓	AZ	TOMPKINS, R.J. et al.: "5-20 keV laser-induced x-ray generation at 1 kHz from a liquid-jet target", Review of Scientific Instruments, Vol. 69, No. 9, Pages 3113 - 3117, 1998.				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner	/Meenakshi Sahu/				Date Considered	05/07/2009	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

U.S. PCT Application Serial No: 10/550,413

Filed: September 23, 2005

Toshihisa TOMIE

Docket No. 278727 US

STATEMENT OF RELEVANCY

- 1) References AO - AP have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AQ & AS-AZ are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.